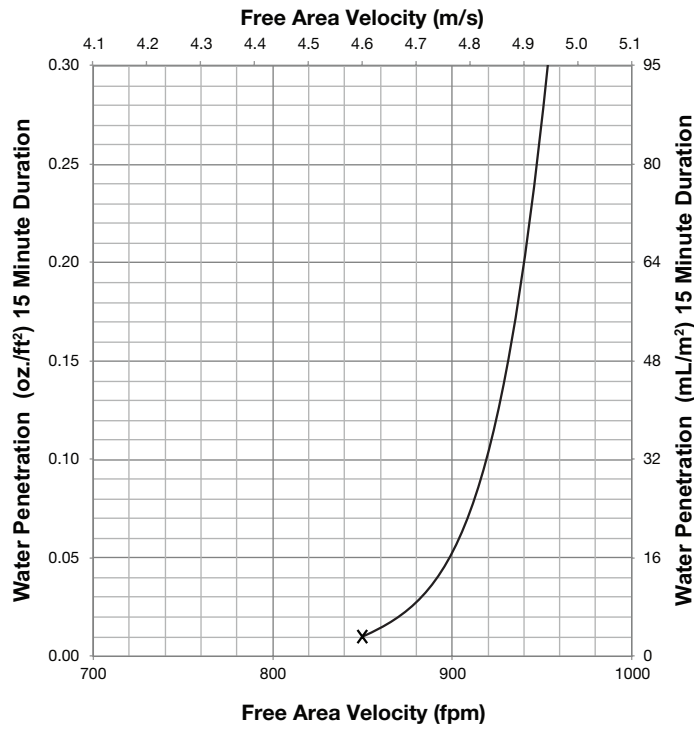


Performance Data

ZE439 - 4" Deep, 39° Fixed Blade Extruded Non-Drainable Louver

Water Penetration Rating

Louver Test Size 48" x 48" (1220 mm x 1220 mm) 849 FPM (4.3 m/s)
Beginning of Water Penetration

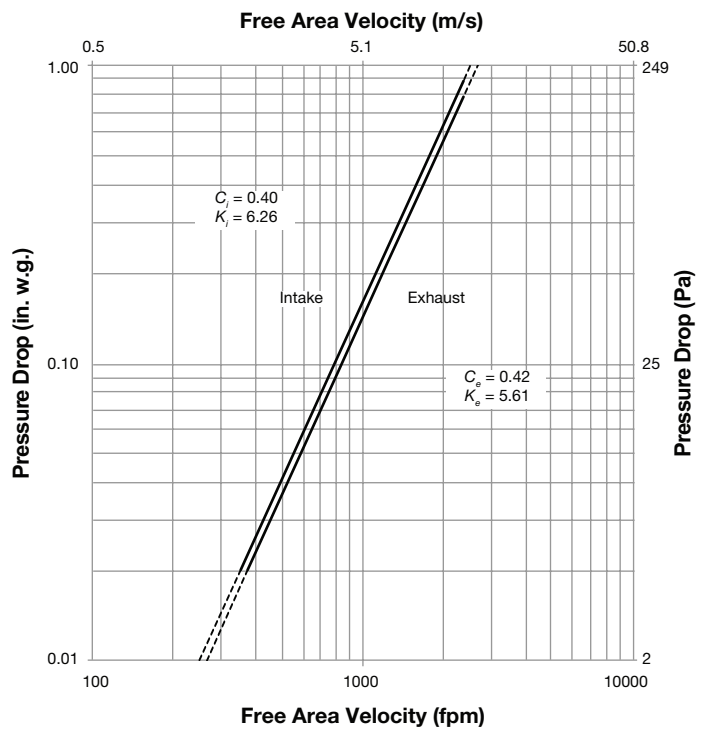


First Point of Water Penetration is the point at which a louver allows the passage of water through the louver. It is a measurement of the air intake velocity at which the louver will begin leaking.

Beginning point of water penetration is defined by AMCA Standard 500-L as the free area velocity at which 0.01 ounces of water per sq. ft. of free area is measured to pass through a 48 in. x 48 in. louver during a 15 minute test.

Air Performance Rating

Louver Test Size 48" x 48" (1220 mm x 1220 mm)



Air Performance Rating characterizes the resistance of the louver by measuring the pressure differential at various free area velocities. Intake and exhaust coefficients based on core area as per BS EN 13030.

Performance of louvers manufactured by Price are tested in accordance with AMCA Publication 500-L.

Free Area – ft² (m²)

Section Height inches (mm)	Section Width in. (mm)									
	12 (300)	18 (450)	24 (600)	30 (750)	36 (900)	42 (1050)	48 (1200)	54 (1350)	60 (1500)	66 (1700)
12 (300)	0.28 (0.03)	0.48 (0.04)	0.68 (0.06)	0.87 (0.08)	1.07 (0.1)	1.27 (0.12)	1.47 (0.14)	1.63 (0.15)	1.83 (0.17)	2.03 (0.19)
18 (450)	0.52 (0.05)	0.89 (0.08)	1.26 (0.12)	1.63 (0.15)	1.99 (0.19)	2.36 (0.22)	2.73 (0.25)	3.04 (0.28)	3.40 (0.32)	3.77 (0.35)
24 (600)	0.75 (0.07)	1.28 (0.12)	1.81 (0.17)	2.33 (0.22)	2.86 (0.27)	3.39 (0.32)	3.92 (0.36)	4.36 (0.41)	4.89 (0.45)	5.42 (0.50)
30 (750)	0.99 (0.09)	1.69 (0.16)	2.39 (0.22)	3.09 (0.29)	3.79 (0.35)	4.48 (0.42)	5.18 (0.48)	5.77 (0.54)	6.46 (0.60)	7.16 (0.67)
36 (900)	1.22 (0.11)	2.08 (0.19)	2.94 (0.27)	3.80 (0.35)	4.66 (0.43)	5.52 (0.51)	6.37 (0.59)	7.09 (0.66)	7.95 (0.74)	8.81 (0.82)
42 (1050)	1.46 (0.14)	2.49 (0.23)	3.52 (0.33)	4.55 (0.42)	5.58 (0.52)	6.61 (0.61)	7.64 (0.71)	8.50 (0.79)	9.53 (0.88)	10.56 (0.98)
48 (1200)	1.69 (0.16)	2.88 (0.27)	4.07 (0.38)	5.26 (0.49)	6.45 (0.6)	7.64 (0.71)	8.83 (0.82)	9.82 (0.91)	11.01 (1.02)	12.20 (1.13)
54 (1350)	1.93 (0.18)	3.29 (0.31)	4.65 (0.43)	6.01 (0.56)	7.37 (0.68)	8.73 (0.81)	10.09 (0.94)	11.23 (1.04)	12.59 (1.17)	13.95 (1.30)
60 (1500)	2.16 (0.20)	3.68 (0.34)	5.20 (0.48)	6.72 (0.62)	8.24 (0.77)	9.76 (0.91)	11.28 (1.05)	12.55 (1.17)	14.07 (1.31)	15.59 (1.45)
66 (1700)	2.40 (0.22)	4.09 (0.38)	5.78 (0.54)	7.47 (0.69)	9.16 (0.85)	10.85 (1.01)	12.55 (1.17)	13.96 (1.30)	15.65 (1.45)	17.34 (1.61)
72 (1850)	2.62 (0.24)	4.48 (0.42)	6.33 (0.59)	8.18 (0.76)	10.03 (0.93)	11.88 (1.1)	13.74 (1.28)	15.28 (1.42)	17.13 (1.59)	18.98 (1.76)
78 (2000)	2.87 (0.27)	4.89 (0.45)	6.91 (0.64)	8.93 (0.83)	10.95 (1.02)	12.98 (1.21)	15.00 (1.39)	16.68 (1.55)	18.71 (1.74)	20.73 (1.93)
84 (2150)	3.09 (0.29)	5.28 (0.49)	7.46 (0.69)	9.64 (0.9)	11.82 (1.1)	14.01 (1.3)	16.19 (1.5)	18.01 (1.67)	20.19 (1.88)	22.38 (2.08)
90 (2300)	3.33 (0.31)	5.69 (0.53)	8.04 (0.75)	10.39 (0.97)	12.75 (1.18)	15.10 (1.4)	17.45 (1.62)	19.41 (1.80)	21.77 (2.02)	24.12 (2.24)
96 (2450)	3.56 (0.33)	6.08 (0.56)	8.59 (0.8)	11.10 (1.03)	13.62 (1.27)	16.13 (1.5)	18.64 (1.73)	20.74 (1.93)	23.25 (2.16)	25.77 (2.39)
102 (2600)	3.80 (0.35)	6.49 (0.6)	9.17 (0.85)	11.86 (1.1)	14.54 (1.35)	17.22 (1.6)	19.91 (1.85)	22.14 (2.06)	24.83 (2.31)	27.51 (2.56)
108 (2750)	4.03 (0.37)	6.87 (0.64)	9.72 (0.9)	12.56 (1.17)	15.41 (1.43)	18.25 (1.7)	21.10 (1.96)	23.47 (2.18)	26.31 (2.44)	29.16 (2.71)
114 (2900)	4.27 (0.40)	7.29 (0.68)	10.30 (0.96)	13.32 (1.24)	16.33 (1.52)	19.35 (1.8)	22.36 (2.08)	24.87 (2.31)	27.89 (2.59)	30.90 (2.87)
120 (3050)	4.50 (0.42)	7.67 (0.71)	10.85 (1.01)	14.03 (1.3)	17.20 (1.6)	20.38 (1.89)	23.55 (2.19)	26.20 (2.43)	29.37 (2.73)	32.55 (3.02)

Section Height inches (mm)	Section Width in. (mm)								
	72 (1850)	78 (2000)	84 (2150)	90 (2300)	96 (2450)	102 (2600)	108 (2750)	114 (2900)	120 (3050)
12 (300)	2.22 (0.21)	2.42 (0.22)	2.62 (0.24)	2.81 (0.26)	3.01 (0.28)	3.21 (0.30)	3.34 (0.31)	3.54 (0.33)	3.74 (0.35)
18 (450)	4.13 (0.38)	4.50 (0.42)	4.87 (0.45)	5.24 (0.49)	5.60 (0.52)	5.97 (0.55)	6.22 (0.58)	6.59 (0.61)	6.95 (0.65)
24 (600)	5.94 (0.55)	6.47 (0.60)	6.99 (0.65)	7.52 (0.70)	8.05 (0.75)	8.58 (0.80)	8.93 (0.83)	9.46 (0.88)	9.99 (0.93)
30 (750)	7.85 (0.73)	8.55 (0.79)	9.25 (0.86)	9.95 (0.92)	10.64 (0.99)	11.34 (1.05)	11.81 (1.10)	12.51 (1.16)	13.21 (1.23)
36 (900)	9.65 (0.90)	10.51 (0.98)	11.37 (1.06)	12.23 (1.14)	13.09 (1.22)	13.95 (1.30)	14.52 (1.35)	15.38 (1.43)	16.24 (1.51)
42 (1050)	11.56 (1.07)	12.59 (1.17)	13.62 (1.27)	14.65 (1.36)	15.68 (1.46)	16.71 (1.55)	17.40 (1.62)	18.43 (1.71)	19.46 (1.81)
48 (1200)	13.37 (1.24)	14.56 (1.35)	15.75 (1.46)	16.94 (1.57)	18.13 (1.68)	19.32 (1.79)	20.11 (1.87)	21.30 (1.98)	22.49 (2.09)
54 (1350)	15.28 (1.42)	16.64 (1.55)	18.00 (1.67)	19.36 (1.80)	20.72 (1.93)	22.08 (2.05)	22.99 (2.14)	24.35 (2.26)	25.71 (2.39)
60 (1500)	17.08 (1.59)	18.60 (1.73)	20.13 (1.87)	21.65 (2.01)	23.17 (2.15)	24.69 (2.29)	25.70 (2.39)	27.22 (2.53)	28.75 (2.67)
66 (1700)	18.99 (1.76)	20.69 (1.92)	22.38 (2.08)	24.07 (2.24)	25.76 (2.39)	27.45 (2.55)	28.58 (2.66)	30.27 (2.81)	31.96 (2.97)
72 (1850)	20.80 (1.93)	22.65 (2.10)	24.50 (2.28)	26.35 (2.45)	28.21 (2.62)	30.06 (2.79)	31.29 (2.91)	33.15 (3.08)	35.00 (3.25)
78 (2000)	22.71 (2.11)								
84 (2150)	24.51 (2.28)								
90 (2300)	26.43 (2.46)								
96 (2450)	28.23 (2.62)								
102 (2600)	30.14 (2.80)								
108 (2750)	31.94 (2.97)								
114 (2900)	33.86 (3.15)								
120 (3050)	35.66 (3.31)								

Louver Free Area is the minimum area through which free air can pass. It is the area between blades, frames and other airflow obstructions. The standard comparison size for Louver Free Area is 48 in. wide x 48 in. high. Percentage free area varies with louver size. All values reflect section sizes – louvers can be ordered at any larger size and will be provided in multiple sections wide and/or high.